

# Gadget L 3000K 95 CRI @ 600 mA

## Description

Applies to following luminaires:

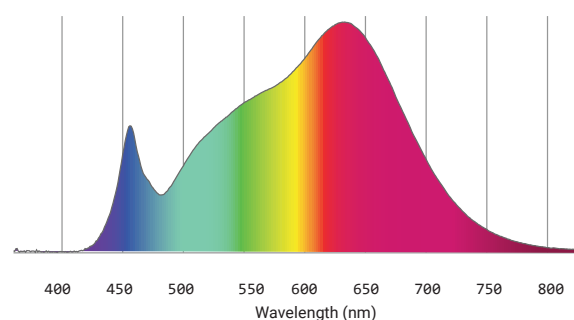
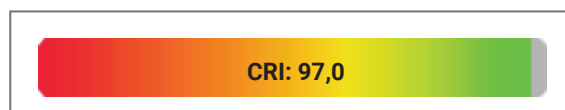
GADL30-AH-\*

GADL30-AHX-\*

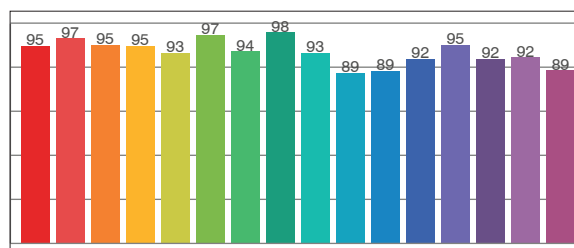
GADL30-AHD-\*

GADL30-AHC-\*

GADL30-CCS-\*



| Measurement Conditions                            |          |         |
|---------------------------------------------------|----------|---------|
| Number of C-planes Measured and Resolution        | 2 planes | 180,0°  |
| γ (gamma) -resolution                             | 2,50°    |         |
| Input Power to the Light Source                   | 21,1 W   |         |
| Input RMS Voltage and Current to the Light Source | 35,2 V   | 0,600 A |



|                                      |       |
|--------------------------------------|-------|
| Color fidelity<br><b>TM-30-15 Rf</b> | 93,4  |
| Color Gamut<br><b>TM-30-15 Rg</b>    | 100,1 |
| Color quality scale<br><b>CQS</b>    | 94,0  |
| Red component<br><b>CRI R9</b>       | 85,9  |

More color results on page 4-5

## Photometrics and Optical data

LENS:

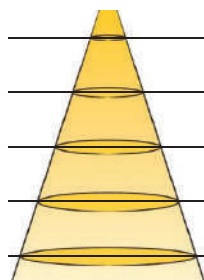
**Narrow  
(Default)**

Total Lumen  
Efficiency  
Peak intensity

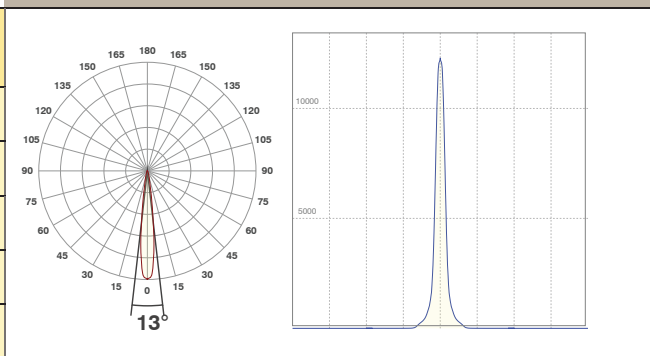
**927 lm  
44 lm/W  
12215 cd**

Beam Angle 50%  
Field angle 10%  
Cut off angle

**13°  
24,8°  
44,7°**



| Distance | Ø   | lux   |
|----------|-----|-------|
| 1        | 0,2 | 12215 |
| 2        | 0,5 | 3054  |
| 3        | 0,7 | 1357  |
| 4        | 0,9 | 763   |
| 5        | 1,1 | 489   |



LENS:

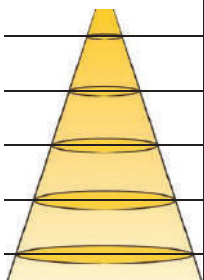
**Medium**

Total Lumen  
Efficiency  
Peak intensity

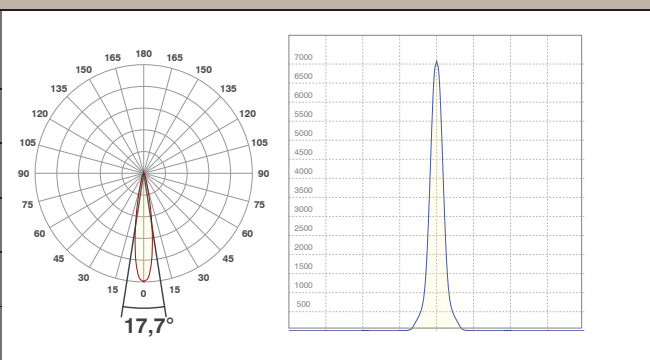
**893 lm  
42 lm/W  
7050 cd**

Beam Angle 50%  
Field angle 10%  
Cut off angle

**17,7°  
34,3°  
53,7°**



| Distance | Ø   | lux  |
|----------|-----|------|
| 1        | 0,3 | 7050 |
| 2        | 0,6 | 1763 |
| 3        | 0,9 | 783  |
| 4        | 1,2 | 441  |
| 5        | 1,6 | 282  |



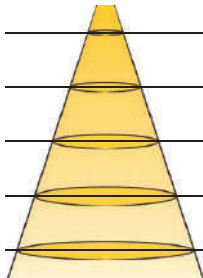
LENS:  
**Wide**

Total Lumen  
Efficiency  
Peak intensity

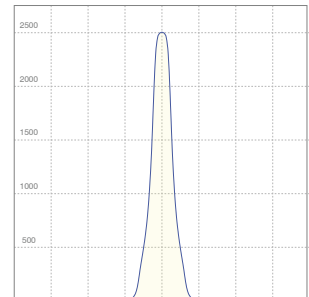
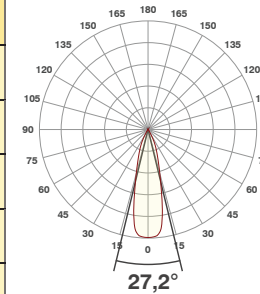
**719 lm**  
**34 lm/W**  
**2503 cd**

Beam Angle 50%  
Field angle 10%  
Cut off angle

**27,2°**  
**54,9°**  
**65,8°**



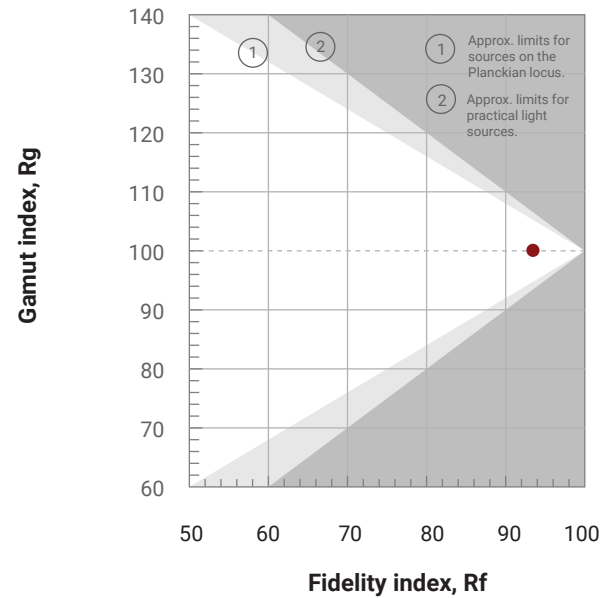
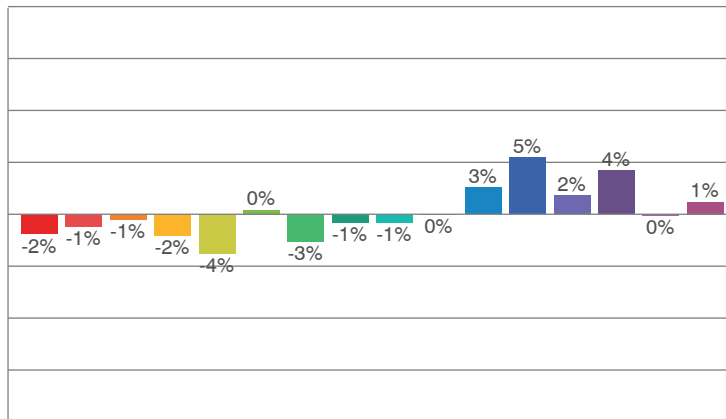
| Distance | Ø   | lux  |
|----------|-----|------|
| 1        | 0,5 | 2503 |
| 2        | 1   | 626  |
| 3        | 1,5 | 278  |
| 4        | 1,9 | 156  |
| 5        | 2,4 | 100  |



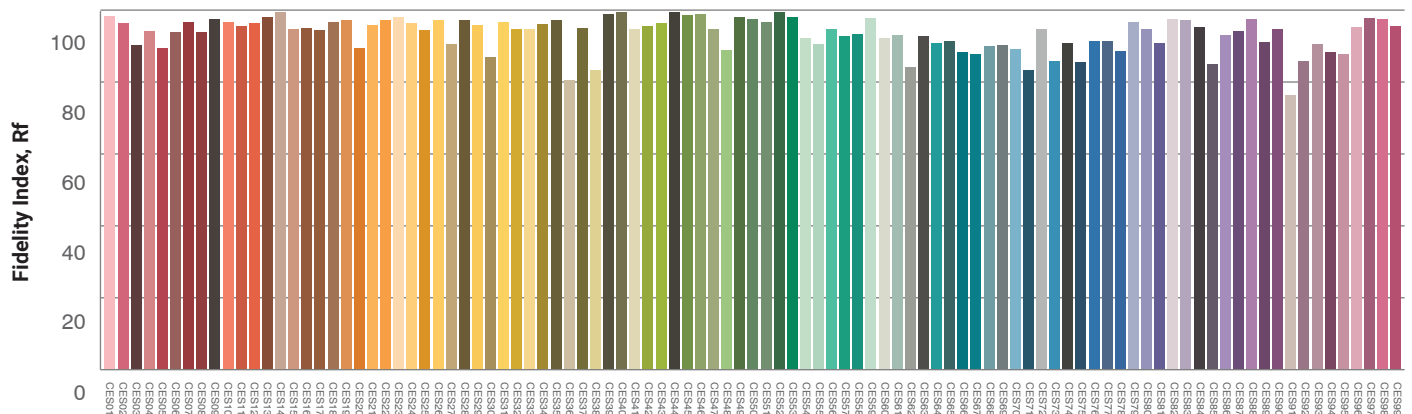
## TM30 details

**Rf 93,4**  
Fidelity index Rf

**Rg 100,1**  
Gammut index Rg



## Color Fidelity Sample

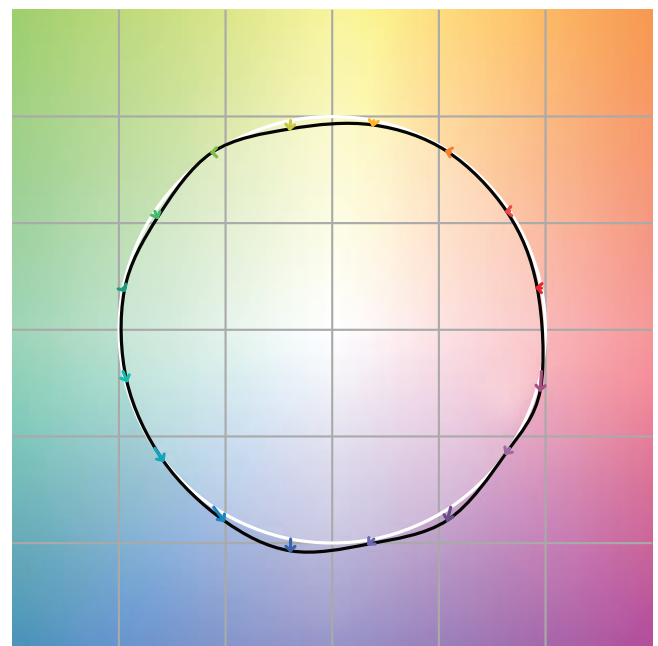


## Color Distortion Graphic



Black areas within the white circle indicates desaturation.

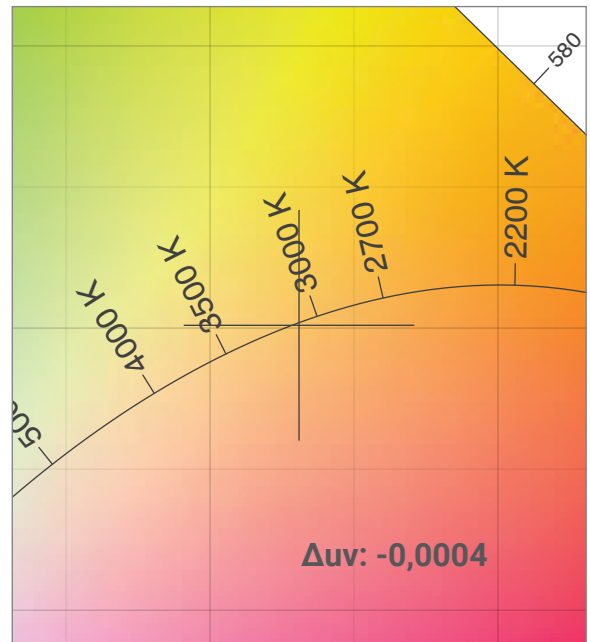
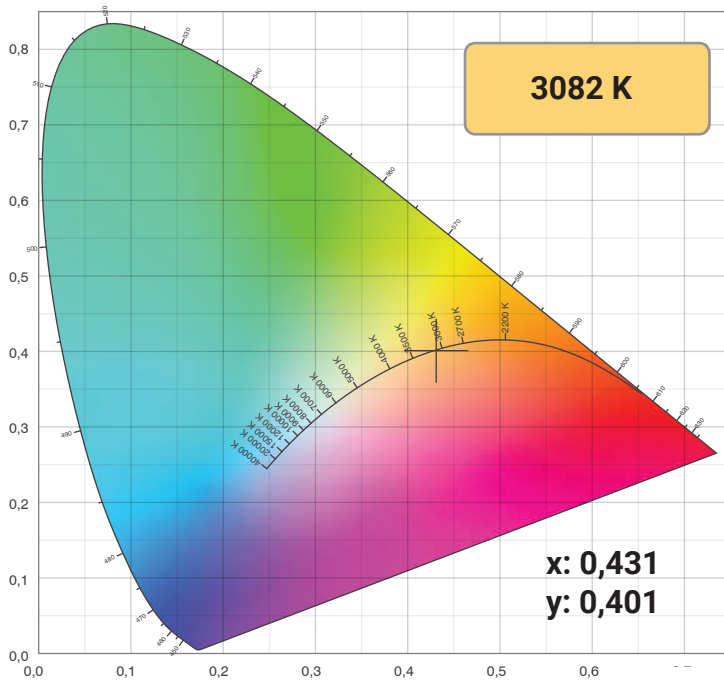
## Color Vector Graphic



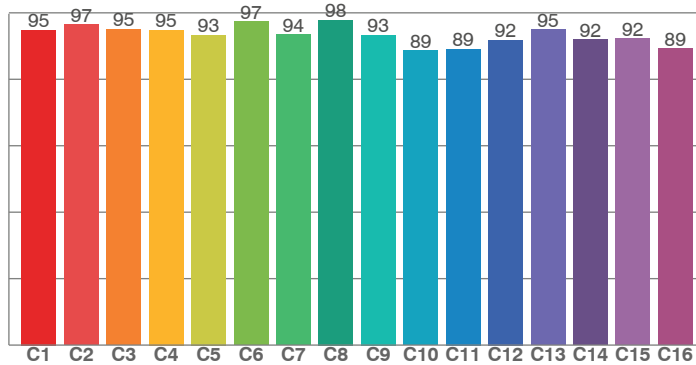
The arrows show how colors are distorted from their natural colors which lie on the white circle.

## Color details

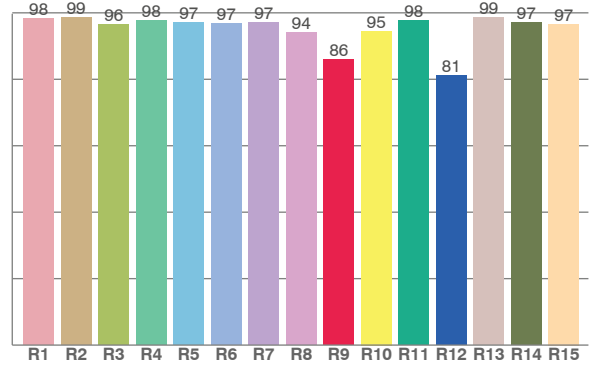
### CIE 1931



### TM30: 93,4



### CRI: 97,0



#### CRI R values, only R1-R8 are used to calculate final CRI value

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,2 | 98,5 | 96,4 | 97,8 | 97,0 | 96,8 | 97,2 | 94,1 | 85,9 | 94,5 | 97,8 | 81,1 | 98,5 | 97,1 | 96,6 |

#### TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94,9 | 96,5 | 95,1 | 94,8 | 93,3 | 97,3 | 93,6 | 97,9 | 93,3 | 88,7 | 89,1 | 91,8 | 95,0 | 91,9 | 92,2 | 89,3 |

#### CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93,3 | 96,9 | 90,1 | 89,7 | 93,1 | 95,3 | 94,1 | 95,6 | 97,2 | 95,7 | 95,8 | 96,5 | 96,9 | 94,7 | 94,4 |

### CQS: 94,0

